

# Biomass and waste to energy

If you want more information about these projects – or if you want to know about other projects, which COWI has carried out in Ukraine – you may simply use this QRcode:



## Selected references



### Denmark

#### 12 MWt biomass project

##### Client

Affald Plus – a publicly owned district heating company

##### Period

2017-2021

##### COWI's services

- Owner's Engineer
- Design
- Project management
- Contracting
- Supervision

##### The project

- Green field CHP project
- Gasification technology
- Low-cost biomass waste from parks and gardens
- ORC 3 MWe
- 10 MW District Heating



### Malta

#### Municipal Waste to Energy

##### Client

Maltese Government  
WasteServe

##### Period

2019 –

##### COWI's services

- Preparation of implementation of specifications, tender documents, and design-build-finance-operate (DBFO) contract
- Planning of procurement process
- Legal support and assistance
- Execution of necessary studies and analyses
- Documentation, supervision, follow-up and project management.



## Sweden

### Mälär Energi with the world's largest fluidized bed boiler for RDF

#### Client

Mälär Energi AB, Sweden

#### COWI's services

- Owner's engineer
- Detailed design civil constructions
- Fuel supply and preparation

#### The project

- 167 MW thermal
- Fuel: Refuse derived fuel (RDF) + biomass (peat and wood chips)
- Compliant with EU Waste Incineration Directive (WID)



## Netherlands

### 44 MW biomass plant and district heating network

#### Client

Stadsverwarming Purmerend b.v. – a publicly owned district heating company

#### COWI's services

- Technology review
- Basis of Design
- Technical tender specification

#### The project

- Upgrade and revamp of the entire district heating system
- 44 MW biomass plant
- Fuel: local wood chips